

JEM Engineering, LLC

Company Information

Company Name
JEM Engineering, LLC

Address
8683 Cherry Lane
Laurel, MD, 20707-
Phone
1 301-906-0526

Company Website
<http://www.jemengineering.com>
DUNS
118332548

Number of Employees
24
Hubzone Owned:
N

Minority Owned:
Y
Woman Owned:
Y

Award Totals

```
jQuery(document).ready( function() { (function ($) { var program = ['SBIR Phase I', 'SBIR Phase II',  
'STTR Phase I', 'STTR Phase II']; var programCount = [{ "y":15,"amount":"1,348,119.00"}, {"y":8,"amo  
unt":"5,917,934.00"}, {"y":3,"amount":"209,966.00"}, {"y":0,"amount":"0.00"}]; //var  
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and Phase'; var titleFormat = 'Count: {point.y:0f}'; var titleFormatAmount = 'Amount:  
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return '' + this.x + '
```

```
' + 'Award Count: '+ this.y +'  
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```

- [Award Table](#)
- [Award Chart](#)

PROGRAM/PHASE	AWARD AMOUNT (\$)
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NUMBER OF AWARDS

SBIR Phase I

\$1,348,119.00

15

SBIR Phase II

\$5,917,934.00

8

STTR Phase I

\$209,966.00

3

Award List

1.

[Wideband Metamaterial Antennas Integrated into Composite Structures](#)

Amount: \$69,996.00

A broadband antenna, having more than a 100:1 bandwidth, is integrated with a high impedance surface that is compatible with the manufacturing processes associated with with Navy topside panel construc ...

STTR Phase I 2010 Navy Department of Defense

2.

[Armor Embedded Metamaterial Antenna](#)

Amount: \$729,961.00

JEM Engineering proposes a program to prototype and demonstrate the technology found feasible in our Phase I SBIR program entitled Armor Embedded Metamaterial Antenna. The object of the proposed progr ...

SBIR Phase II 2010 Department of Defense

3.

[Enhanced Field Expedient Body Wearable Antenna](#)

Amount: \$69,878.00

JEM proposes to research the feasibility of using Genetic Algorithm optimization and broadband matching techniques to develop and optimize a wideband (30-88 MHz) antenna for integration onto the Impro ...

SBIR Phase I 2010 Army Department of Defense

4.

[Small Multi-Decade Communication Antenna](#)

Amount: \$99,998.00

A novel anisotropic artificial dielectric material is proposed for integration into airborne antennas to achieve size and weight reduction, along with reduced radar cross section (RCS).

Development o ...

SBIR Phase I 2004 NavyDepartment of Defense

5.

[Small Multi-Decade Communication Antenna](#)

Amount: \$639,928.00

JEM Engineering has demonstrated the technical feasibility of applying Inhomogeneous Lightweight Artificial Dielectric (ILIAD) technology to spiral antennas to achieve size and weight reductions in a ...

SBIR Phase II 2005 NavyDepartment of Defense

6.

[Low Cost Phased Array Antenna System](#)

Amount: \$69,993.00

A program is proposed to research the applicability of a unique phased array technology, dubbed FlexScan, to S-band and Ku-band communications links between stratospheric balloons and TDRSS satellites ...

SBIR Phase I 2004 National Aeronautics and Space Administration

7.

[Low Cost Phased Array Antenna System](#)

Amount: \$591,526.00

JEM Engineering proved the technical feasibility of the FlexScan array?a very low-cost, highly-efficient, wideband phased array antenna?in Phase I, and stands ready to develop it into a fully-function ...

SBIR Phase II 2005 National Aeronautics and Space Administration

8.

[Survivable Ballistic Antenna Radome](#)

Amount: \$119,977.00

In this effort, a team comprising of JEM Engineering and the University of Delaware Center for Composite Materials proposes to develop multifunctional radomes for Future Combat Systems vehicle platfor ...

SBIR Phase I 2005 ArmyDepartment of Defense

9.

[Survivable Ballistic Antenna Radome](#)

Amount: \$729,957.00

In this effort, a team comprising of JEM Engineering and the University of Delaware Center for Composite Materials proposes to develop multifunctional radomes for Future Combat Systems vehicle platfor ...

SBIR Phase II 2006 ArmyDepartment of Defense

10.

[Advanced Antenna Integration Techniques](#)

Amount: \$69,998.00

Artificial Magnetic Conductor (AMC) technology is proposed to dramatically reduce surface wave excitation from antennas mounted on aircraft or other platforms, while decreasing their thickness and inc ...

SBIR Phase I 2004 NavyDepartment of Defense

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- [2](#)
- [3](#)
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